

1-11. (CANCELED)

12. (CURRENTLY AMENDED) A planetary gear for mounting on an electromotor, the planetary gear comprising:

planetary gear wheels (10) ~~[[fitted-in]]~~ supported by a rotating planetary carrier (8) that forms an output of the planetary gear and ~~[[which]]~~ the planetary gear wheels are in ~~[[simultaneous-gear-tooth]]~~ constant engagement with a sun gear (12) and an annular gear (14) positioned in a housing (2), ~~[[such-that]]~~ the sun gear (12) ~~[[is]]~~ being connected to a ~~[[rotating]]~~ rotatable sun gear shaft (4), the sun gear shaft (4) having a hollow receiving section (16) ~~[[to]]~~ for directly ~~[[receive]]~~ receiving an output shaft of an electromotor;

a sealing element (22) being provided between the sun gear shaft (4) and the housing (2),

wherein the sealing element (22) is ~~[[axially]]~~ spaced axially from the receiving section (16) for the output shaft of the electromotor, and located on a first axial section of the sun gear shaft (4) having a smaller outer diameter than a diameter of the receiving section (16); and

a sun gear bearing (28) for the sun gear shaft (4) is located radially inward of an inner ring of a planetary carrier bearing (30), axially at least partly within a space occupied by the planetary carrier bearing (30) and between an end stop of the receiving section (16) and the planetary gear wheels.

13. (CANCELED)

14. (CURRENTLY AMENDED) The planetary gear according to claim 12, wherein an outer bearing ring of the sun gear bearing (28) for the sun gear shaft (4) is positioned in the planetary carrier (8).

15. (CANCELED)

16. (CURRENTLY AMENDED) The planetary gear according to claim ~~[[15]]~~ 12, wherein the planetary carrier (8) has through bores (34, 36) on either side of each planetary gear wheel (10) to accommodate a planetary bearing pin (38) on which the planetary gear wheel (10) is mounted for rotation and an end face of the planetary bearing pin (38) is axially secured between opposing inner bearing rings of planetary carrier bearings (30, 32), whereby the planetary bearing pin (38) is secured against axial displacement.

17. (CURRENTLY AMENDED) The planetary gear according to claim 14, wherein an annular groove (48) is provided in the planetary carrier (8) to receive a circlip (46), which is axially adjacent to a functional surface (47) that receives the outer bearing ring of the sun gear bearing (28) for the sun gear shaft, and the outer bearing ring is secured against axial displacement in one direction by the circlip (46). ◆

18. (CANCELED)

19. (CURRENTLY AMENDED) A planetary gear for mounting on an electromotor, the planetary gear comprising:

planetary gear wheels (10) ~~[[fitted in]]~~ supported by a rotating planetary carrier (8) that forms an output of the planetary gear and ~~[[which]]~~ the planetary gear wheels are in ~~[[simultaneous gear-tooth]]~~ constant engagement with a sun gear (12) and an annular gear (14) positioned in a housing (2), ~~[[such that]]~~ the sun gear (12) ~~[[is]]~~ being connected to a ~~[[rotating]]~~ rotatable sun gear shaft (4), the sun gear shaft (4) having a hollow receiving section (16) ~~[[to]]~~ for directly ~~[[receive]]~~ receiving an output shaft of an electromotor, the sun gear (12), the annular gear (14) and the planetary gear wheels (10) together define a gearing plane; ◆

a sealing element (22) being provided between the sun gear shaft (4) and the housing (2),

wherein the sealing element (22) is axially spaced from the receiving section (16) for the output shaft of the electromotor, and located on a first axial section of the sun gear shaft (4) having a smaller outer diameter than a diameter of the receiving section (16); and

wherein the sun gear shaft (4) is mounted so that ~~[[it]]~~ the sun gear shaft (4) can be axially displaced against the restoring force action of an elastic compensating element (56) and ~~[[the]]~~ an axial compensating element is positioned axially between a face of ~~[[the]]~~ an outer bearing ring opposite ~~[[the]]~~ a circlip (46) and a second functional surface (54) of the planetary carrier (8). ◆

20. (PREVIOUSLY PRESENTED) The planetary gear according to claim 19, wherein the elastic compensating element is an O-ring (56).

21. (CANCELED)

22. (CANCELED)

23. (NEW) A planetary gear for mounting on an electromotor, the planetary gear comprising:

a plurality of planetary gear wheels (10) supported by a rotating planetary carrier (8) which forms an output of the planetary gear, the plurality of planetary gear wheels (10) being in constant engagement with a sun gear (12) and an annular gear (14) which is supported by a housing;

the sun gear (12) being connected to a rotatable sun gear shaft (4), the sun gear shaft (4) having a hollow receiving section (16) for directly receiving an output shaft of an electromotor; and

a sealing element (22) being provided between the sun gear shaft (4) and the housing (2),

wherein a sun gear bearing (28), for the sun gear shaft (4), and the sealing element (22) are both located axially adjacent one another between an end stop of the receiving section (16) and the plurality of planetary gear wheels (10).

24. (NEW) The planetary gear according to claim 23, wherein the sun gear bearing (28) and the sealing element (22) both engage with the sun gear shaft (4) and are located radially within an inner ring of a first planetary carrier bearing (30) surrounding the sun gear shaft (4).

25. (NEW) The planetary gear according to claim 24, wherein an outer bearing ring of the sun gear bearing (28) engages with the planetary carrier (8) and an inner bearing ring of the sun gear bearing (28) engages with the sun gear shaft (4).

26. (NEW) The planetary gear according to claim 24, wherein the planetary carrier (8) has a plurality of pairs of axially aligned through bores (34 and 36), each pair of axially aligned through bores (34 and 36) accommodates a planetary bearing pin (38) on which one of the plurality of planetary gear wheels (10) is rotatably supported, and opposed end faces of each of the planetary bearing pin (38) are axially secured between opposing inner bearing rings of the first planetary carrier bearing (30) and a second planetary carrier bearing (32) such that each planetary bearing pin (38) is prevented from being axial displaced.

27. (NEW) The planetary gear according to claim 25, wherein an annular groove (48) is provided in the planetary carrier (8) which receives a circlip (46) located axially adjacent a functional surface (47) that supports the outer bearing ring of the sun

gear bearing (28), and the circlip (46) prevents the outer bearing ring from being axially displaced in one direction.

28. (NEW) The planetary gear according to claim 12, wherein the sun gear bearing (28) and the sealing element (22) both engage with the sun gear shaft (4) and are located radially within an inner ring of a first planetary carrier bearing (30) surrounding the sun gear shaft (4).

29. (NEW) The planetary gear according to claim 19, wherein a sun gear bearing (28), facilitating rotation of the sun gear shaft (4), and the sealing element (22) both engage with the sun gear shaft (4) and are located radially within an inner ring of a first planetary carrier bearing (30) surrounding the sun gear shaft (4).